

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-014439**Date Inspected:** 19-May-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Zhou Cheng**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG Components**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector, Hiranch Patel, was present during the times noted above for observations relative to the work being performed.

**Bay#19**

During random in-process inspection of bike path, this QA inspector observed the fitup of bearing plate to stringer plates and side plate was performed by ZPMC personnel. The bike path is identified as BK004A-002. Tack welding was performed by SMAW welding process. ZPMC QC is identified as Zhou Cheng. The welding variables recorded by QC appeared to comply with the Applicable WPS-B-T-2132.

For further information, Please see attached pictures.

**Suspender Brackets:**

Following suspender brackets welds (for lift 7&8) has been repaired with approved welding repair report (WRR) by ZPMC personnel. According to WRR and ZPMC UT report, these suspender brackets welds were rejected in UT by ZPMC UT technician. The repair works were performed by FCAW welding process. ZPMC QC is identified as Zhou Cheng. The welding variables recorded by QC appeared to comply with the Applicable WPS-B-T-2232-Tc-U4b-F. The weld designations reviewed are as follows:

-SB013-060-020, 055, 018.

-SB012-056-020

-SB012-056-005, 004, 001

-SB008-048-008, 007

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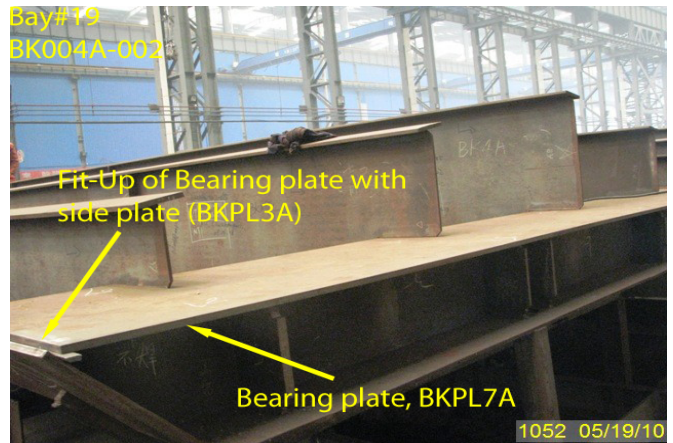
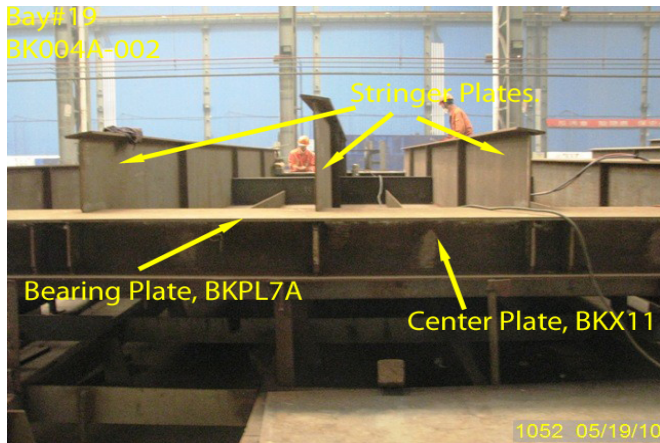
## WELDING INSPECTION REPORT

( Continued Page 2 of 2 )

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-SB007-048-031, 037, 007, 020  
-SB015-060-001, 004, 007, 019, 020  
-SB014-056-020  
-SB014-058-018, 001

Unless otherwise noted, all observed on this date appeared to generally comply with applicable contract documents.



### Summary of Conversations:

No relevant conversations.

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang 150-0042-2372, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Patel,Hiranch	Quality Assurance Inspector
<b>Reviewed By:</b>	McClendon,Timothy	QA Reviewer

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